

An Extra Dose Of Yellow





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Part I: General Overview of Business

- •GKN Wheels is a world-leading manufacturer of off-highway wheels.
- •The company's history goes back to 1908 with a patent for a pressed and welded wheel.
- •Currently, there are facilities in 30 countries worldwide with two R&D centers, one in Illinois and one in Italy.

Part II: Job Specifics

- Main task was to collect data regarding the use of a specific color of paint on different sizes of wheels and rims.
- •Secondary tasks were coming up with a method of data collection and learning about the paint process as a whole.

Part III: Introduce the Problem

- Every inventory cycle, we find that we've used much more paint that we thought we would have used.
- This missing paint must be written off as a loss, costing the company money.
- •How can we correct our estimates of paint usage? How can we use new estimates to prevent further losses?

Part IV: Background

- •Students should have background knowledge of surface area.
- •Students should understand units of fluid measure, such as cc, mL, and gal and be able to convert between them.
- •Students should be informed of various ways of measuring paint usage.

Part V: Business Solution

- •I made a plan to use a flow meter to measure the paint used on different parts. I collected data on these parts.
- •I used the data to calculate more accurate estimates of paint usage and made recommendations of price changes to reduce monetary losses.

Part VI: Student Solutions

- Measure the amount of paint used
- •Calculate the amount of paint needed using software
- •Look at paint methods and find ways to be more efficient
- •Charge more for the parts